

# CLAIMS

- 1.- Furniture assembly device, **characterised** by including:
  - One "U"-shaped prismatic box (1) that includes holes (12) in its wings (11) to fit setscrews (5) from the box (1) to one of the parts of the furniture (4a) to be assembled and holes (13) to insert the rear ends of pivots (6) to the inside of the box (1), which are secured to the other part of the furniture (4b) to be attached.
  - One handle (2) fitted inside the box (1) that can be moved lengthways between an inoperative position and an operative position. This handle (2) includes: holes (21) to insert the heads of the pivots (61), mounting holes (22) that extend after the holes (21) to insert the pivots (6) while the handle (2) slides to its operative position, oval holes (23) to insert the setscrews (5) and lower wedges (24) that drive the heads of the pivots (61) as the handle (2) moves to its operative position, bringing the two parts of the piece of furniture (4a, 4b) to be assembled together and attaching them.
  - Means to move the handle (2) on the inside of the box (1) and
  - One lid (3) to close the box (1).
- 2.- Device, according to the previous claim, **characterised** by the fact that all of the holes (12, 13) on the wings (11) of the box (1) are facing each other between both wings (11) to make the box (1) reversible.
- 3.- Device, according to the previous claims, **characterised** by the fact that the lid (3) has a "U"-shaped prismatic form to ensure the box (1) can be closed using the wings of the lid (31) by closing its ends and the centre of the lid (32), closing the entire lengthways side of the box (1) between the free ends of its wings (11).
- 4.- Device, according to the previous claims, **characterised** by the fact that it includes additional closing means to secure the lid (3) to the box (1) in a stable manner to ensure the handle (2) slides on the inside of the box (1) without any kind of interference.

5.- Device, according to Claim 4, **characterised** by the fact that the additional closing means included in the box (1) consist of tabs (14) to finish one of the ends of both wings (11) and an end piece (15) to close the existing opening between the wings (11) and the centre (16) of the box (1) close to the other end of the wings (11).

6.- Device, according to Claims 4 and 5, **characterised** by the fact that the additional closing means included on the lid (3) consist of slots (33) on one wing of the lid (31) to set the tabs (14) on the box (1) in their closed position and a threaded hole (34) on the other wing of the lid (31') to insert a setscrew (7) that secures the lid (3) by pressing its end down on the end piece (15) of the box (1).

7.- Device, according to the previous claims, **characterised** by the fact that the means to move the handle (2) on the inside of the box (1) include a threaded hole (25) in one end of the handle (2) so that the thread of a slide screw (8) inserted from the outside through a circular hole (35) made in one wing of the lid (31) causes the handle (2) to slide lengthways.

8.- Device, according to the previous claims, **characterised** by the fact that it includes a return spring (9) mounted on the slide screw (8) between the handle (2) and the wing of the lid (31) to force the handle (2) to slide lengthways in the opposite direction to that of the tightening of the screw (8), placing the handle (2) in its inoperative position.

9.- Device, according to the previous claims, **characterised** by the fact that projecting wings (26) finish both sides of the upper surface of the handle (2) to guide its sliding movement along the inside of lengthways windows (36) distributed on one side along the centre of the lid (32) and on the other along the centre (16) of the box (1).

10.- Device, according to the previous claims, **characterised** by the fact that the threaded hole (25) in the end of the handle (2) includes a long thread to secure the slide screw (8) tightly.

11.- Device, according to the previous claims, **characterised** by the fact that the box (1), with the handle (2) and the lid (3), is secured to the part of the furniture (4a) using setscrews (5) that pass through the holes (12) facing each other on both wings (11) of the box (1) and the oval holes (23) in the handle (2).